

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT Application of)
Shunpei YAMAZAKI) Art Unit 2871
Division Application of Serial No. 09/295,397) Examiner: D. Nguyen
Divisional Filing Date: December 27, 2000)
For: DISPLAY DEVICE)

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above identified application as follows:

IN THE SPECIFICATION:

Before the first sentence of the specification, insert --This application is a Divisional application of Serial No. 09/295,397, filed April 21, 1999, which itself is a Divisional application of Serial No. 09/045,697, filed March 23, 1998.--

IN THE CLAIMS:

Please cancel claims 1-108.

Please add new claims 1-24 as follows:

--1. An EL display device having an active matrix circuit and a driving circuit, said active matrix circuit comprising:

at least one thin film transistor formed over a substrate;

a first insulating layer comprising organic resin formed over said thin film transistor;

a second insulating layer comprising DLC formed over said first insulating layer; and

a light-emitting layer formed over said second insulating layer.

2. An EL display device according to claim 1, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

3. An EL display device according to claim 1, wherein said first insulating layer has a planarized surface.

4. An EL display device according to claim 1, wherein said EL display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

5. An EL display having an active matrix circuit and a driving circuit, said active matrix circuit comprising:

at least one thin film transistor formed over a substrate;

a first insulating layer comprising organic resin formed over said thin film transistor;

a second insulating layer comprising DLC formed over said first insulating layer;

a pixel electrode formed on said second insulating layer; and

a light-emitting layer formed over said second insulating layer.

6. An EL display device according to claim 5, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

7. An EL display device according to claim 5, wherein said first insulating layer has a planarized surface.

8. An EL display device according to claim 5, wherein said EL display device is incorporated into an electric apparatus selected from the group consisting of a portable

information terminal, a head mount display, a portable telephone, a video camera and a projector.

9. An EL display device having an active matrix circuit and a driving circuit, said active matrix circuit comprising:

at least one thin film transistor formed over a substrate;

a first insulating layer comprising organic resin formed over said thin film transistor;

a second insulating layer comprising DLC formed over said first insulating layer; and

a light-emitting layer formed adjacent to said second insulating layer.

10. An EL display device according to claim 9, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

11. An EL display device according to claim 9, wherein said first insulating layer has a planarized surface.

12. An EL display device according to claim 9, wherein said EL display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

13. An EL display device having an active matrix circuit and a driving circuit, said driving circuit comprising:

at least one thin film transistor formed over a substrate;

a first insulating layer comprising organic resin formed over said thin film transistor;

a second insulating layer comprising DLC formed over said first insulating layer; and
a light-emitting layer formed over said second insulating layer.

14. An EL display device according to claim 13, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

15. An EL display device according to claim 13, wherein said first insulating layer has a planarized surface.

16. An EL display device according to claim 13, wherein said EL display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

17. An EL display device having an active matrix circuit and a driving circuit, said driving circuit comprising:

at least one thin film transistor formed over a substrate;
a first insulating layer comprising organic resin formed over said thin film transistor;
a second insulating layer comprising DLC formed over said first insulating layer;
a pixel electrode formed on said second insulating layer; and
a light-emitting layer formed over said second insulating layer.

18. An EL display device according to claim 17, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

19. An EL display device according to claim 17, wherein said first insulating layer has a planarized surface.

20. An EL display device according to claim 17, wherein said EL display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

21. An EL display having an active matrix circuit and a driving circuit, said driving circuit comprising:

- at least one thin film transistor formed over a substrate;
- a first insulating layer comprising organic resin formed over said thin film transistor;
- a second insulating layer comprising DLC formed over said first insulating layer; and
- a light-emitting layer formed adjacent to said second insulating layer.

22. An EL display device according to claim 21, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

23. An EL display device according to claim 21, wherein said first insulating layer has a planarized surface.

24. An EL display device according to claim 21, wherein said EL display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.--

REMARKS

This application has been amended to include the continuing application data thereof and the new claims.

[illegible]

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